



IAP7 Rec'd PCT/PTO 02 FEB 2006 PCT

THE UNITED STATES PATENT AND TRADEMARK OFFICE

In The Matter of United States Patent Application:

Application No. : 10/552,452  
Filed : April 7, 2004  
Title : EUROPIUM-DOPED GALLIUM-INDIUM OXIDES AS RED  
EMITTING ELECTROLUMINESCENT PHOSPHOR MATERIALS  
Our File : H310745PCTUS  
Date : February 1, 2006

---

The Honorable Commissioner of Patents and Trademarks  
Washington, D.C.  
United States of America 20231

**INFORMATION DISCLOSURE STATEMENT**

Dear Sirs:

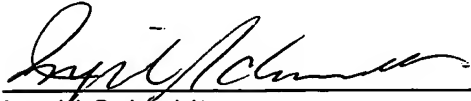
Pursuant to 37 CFR 1.56, the Applicant submits herewith completed United States Patent Office Forms PTO-A820 (also known as PTO-1449). It is respectfully requested that the references be expressly considered during the prosecution of the subject application and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This prior art disclosure statement is being made pursuant to the duty of disclosure imposed by law and formulated in 37 CFR 1.56. No representation is made that the information thus disclosed in fact constitute prior art or that it is the closest prior art, inasmuch as 37 CFR 1.56 relies on a materiality concept which depends on subjectivity.

The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the

mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.


Respectfully submitted,



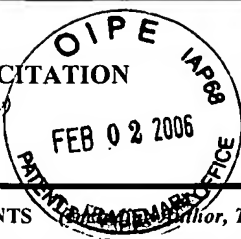
Ingrid Schmidt  
Registration No. 33344  
IES:nf  
Encls.

Customer No. 28079  
Gowling Lafleur Henderson LLP  
One Main Street West, Hamilton, Ontario  
Canada L8P 4Z5  
(905) 540-8208

HAM\_LAW\130010\1

<b>INFORMATION DISCLOSURE CITATION</b> <i>(Use several sheets if necessary)</i>						Docket Number (Optional) <b>H310745PCTUS</b>		Application Number <b>10/552452</b>	
				Applicant(s) <b>KITAI, ADRIAN ET AL</b>					
				Filing Date <b>OCTOBER 7, 2005</b>		Group Art Unit			
<b>PATENT DOCUMENTS</b>									
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE		
<b>U.S. PATENT APPLICATION PUBLICATIONS</b>									
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE		
<b>FOREIGN PATENT DOCUMENTS</b>									
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation YES      NO		
<b>OTHER DOCUMENTS</b> <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>									
	1	10.2: HIGH-LUMINANCE GREEN-EMITTING EL DEVICES WITH A ZN2SO4:MN THIN-FILM EMITTING LAYER; KANAZAWA INSTITUTE OF TECHNOLOGY, ISHIKAWA, JAPAN; SID 92 DIGEST PAGES 162 - 165; T. MINAMI, T. MIYATA, S.TAKATA, I.FUKUDA							
	2	14.5: NEW HIGH-LUMINANCE MULTICOLOR TFEL DEVICES USING AN OXIDE PHOSPHOR EMITTING LAYER; KANAZAWA INSTITUTE OF TECHNOLOGY, ISHIKAWA, JAPAN; SID 91 DIGEST PAGES 286 - 289; TOSHIHIRO MIYATA, TADATSUGU MINAMI, SHINZO TAKATA, ICHIRO FUKUDA							
EXAMINER					DATE CONSIDERED				
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.									

(Use several sheets if necessary)



**H310745PCTUS**

**10/552,452**

KITAI, ADRIAN ET AL

**OCTOBER 7, 2005**

### Group Art Unit

## OTHER DOCUMENTS

NTS (Author, Title, Date, Pertinent Pages, Etc.)

INITIAL

3

**P.3 1-5 MULTICOLOR-EMITTING ZNGA204 PHOSPHORS FOR EMITTING LAYER OF TFEL DEVICES;  
ELECTRON DEVICE SYS. LAB., KANAZAWA INST. OF TECH., NONOICHI, ISHIKAWA, JAPAN; T. MINAMI, Y.  
KUROI, S. TAKATA, T. MIYATA**

4

**32.4: NEW HIGH-LUMINANCE TFEL DEVICES USING ZNGA2O4 PHOSPHOR EMITTING LAYERS; KANAZAWA INSTITUTE OF TECHNOLOGY, ISHIKAWA, JAPAN; SID 95 DIGEST PAGES 724-727; T. MINAMI, S. TAKATA, Y. KUROI, T. MAENO**

**S**

15.4: STRONTIUM SULPHIDE: THE HOST FOR A NEW HIGH-EFFICIENCY THIN-FILM EL BLUE PHOSPHOR;  
PLANAR SYSTEMS, INC., BEAVERTON, OR; SID 84 DIGEST PAGES 249-250; W.A. BARROW, R.E. COOVERT, C.N.  
KING

6

**32.1: A NEW CLASS OF BLUE TFEL PHOSPHORS WITH APPLICATION TO A VGA FULL-COLOR DISPLAY; PLANAR SYSTEMS, INC., BEAVERTON, OR; DAVID SARNOFF RESEARCH CENTER, PRINCETON, NJ; SID 93 DIGEST PAGES 761-764; W.A. BARROW, R.C. COOVERT, E. DICKEY, C.N. KING, C. LAAKSO, S.S. SUN, R.T. TUENGE, R. WENTROSS: J. KANE**

7

NEW RGB PHOSPHORS FOR FULL COLOR INORGANIC EL DISPLAY; CORPORATE R&D CENTER, TDK CORPORATION; 2-15-7, HIGASHI-OHWADA, ICHIKAWA-SHI, CHIBA, 272-8558, JAPAN; EL 2002 SESSION 2: INORGANIC E MATERIALS - 9:00; YOSHIHIKO YANO, TOMOYUKI OIKE AND KATSUTO NAGANO

8

**P-48: HIGH PERFORMANCE DIELECTRIC LAYER FOR THIN FILM OXIDE PHOSPHOR ELECTROLUMINESCENT DEVICES; DEPT. ENGINEERING PHYSICS, MCMASTER UNIVERSITY, HAMILTON, ONTARIO, CANADA; ELITE DISPLAY SYSTEMS, WATERLOO, ONTARIO, CANADA; A.H. KITAI, X. DENG, D.V. STEVANOVIC, Z. JIANG, S. LI, N. PENG AND B.F. COLLIER, K.A. COOK; SID 02 DIGEST PAGES 380-383**

9

25.2: BRIGHT GREEN OXIDE PHOSPHORS FOR EL DISPLAYS; PHOTMATRIX, GUELPH, ONTARIO, CANADA; MCMASTER UNIVERSITY, HAMILTON, ONTARIO, CANADA; T. XIAO, A. H. KITAI, G. LIU, A. NAKUA; SID 97 DIGEST PAGES 415-418

1

25.3: DOPED AMORPHOUS AND CRYSTALLINE GALLIUM OXIDES AND ALKALINE-EARTH GALLATES AS EL MATERIALS; PHOTOMATRIX, GUELPH, ONTARIO, CANADA; MCMaster UNIVERSITY, HAMILTON, ONTARIO, CANADA; A. H. KITAI, T. XIAO, G. LIU, J. H. LI; SID 97 DIGEST PAGES 419-422

**1**

4.2: HIGH BRIGHTNESS RED EMITTING  $\text{Ga}_2\text{O}_3$ :EU ELECTROLUMINESCENT PHOSPHOR; DEPT. OF MATERIALS SCIENCE AND ENGINEERING, MCMASTER UNIVERSITY, HAMILTON, ONTARIO, CANADA; GUARD INC., GUELPH, ONTARIO, CANADA; D. STODILKA, A.H. KITAI, Z. HUANG; SID 00 DIGEST PAGES 11-13

**DATE CONSIDERED**

P09B/REV04